

General Specifications

Model SDND
Power Supply Unit

YEW SERIES 80

The SDND Power Supply Unit provides stabilized 24 V DC power for YewSeries 80 Instruments.

- It features small size and light weight, and
- Parallel operation of SDND Power Supply Units is possible.

STANDARD SPECIFICATIONS.

Input/Output Signals

Power Supply: 80 to 138 V AC or 160 to 264 V AC, 47 to 63 Hz.

Maximum Power Consumption: 900 VA (80 to 138 V AC)
1200 VA (160 to 264 V AC)

Normal Output Voltage: 25 V DC/27.3 V DC
(Switched from the front panel)

Rated Output Variable Range:

When the switch position is 25 V DC;
23 to 26 V DC (for instrument drive)

When the switch position is 27.3 V DC;
Fixed to 27.3 V DC (for instrument drive or battery charge)

Output Voltage Setting Accuracy: $\pm 1\%$.

Ripple Voltage: 150 mV p-p.

Spike Voltage: 250 mV p-p.

Rated Continuous Output Current: 15 A.

Over-current Protection: Foldback circuit operates at 17 ± 1 A.

Alarm Output: Output relay releases when output voltage is low or high, input circuit breaker is tripped.

Alarm Output Contact Rating: 115 V AC, 1 A (resistive load), 30 V DC, 1 A (resistive load).

Normal Operating Conditions

Ambient Temperature: 0 to 50°C.

Ambient Humidity: 5 to 90% relative humidity (non-condensing).

Insulation Resistance:

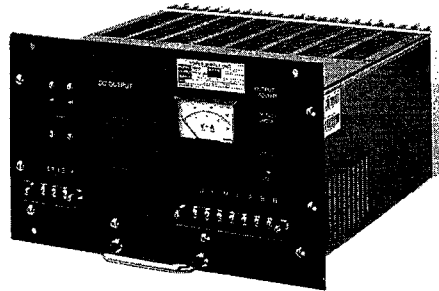
Between Power Supply Input Terminals and Case: 20 M Ω /500 V DC.

Between Output Terminals and Case: 10 M Ω /500 V DC.

Dielectric Strength:

Between Power Supply Input Terminals and Case: 1500 V AC for 1 minute.

Between Output Terminals and Case: 1000 V AC for 1 minute.



Wiring:

Power and Ground Wiring, also Output Wiring: ISO M4 size (4 mm) screws on terminal blocks.

Mounting: Rack mounting.

External Dimensions: 180 (H) \times 298 (W) \times 300 ((D) depth behind panel) (mm).

Case Material: Steel plate.

Weight: 12 kg.

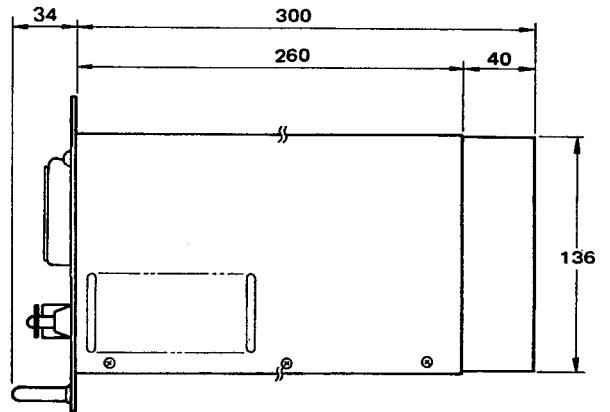
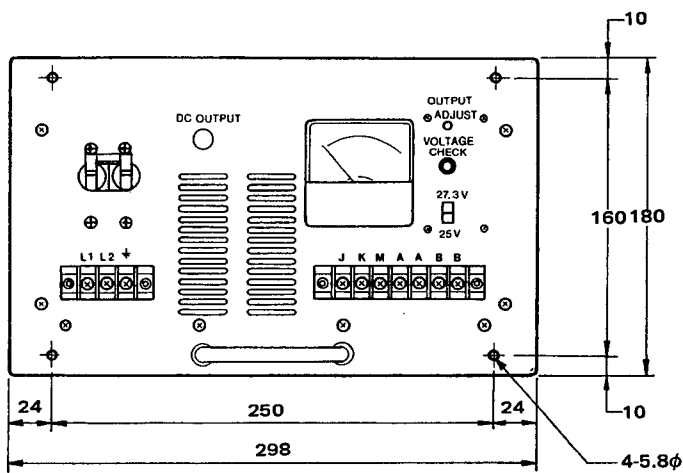
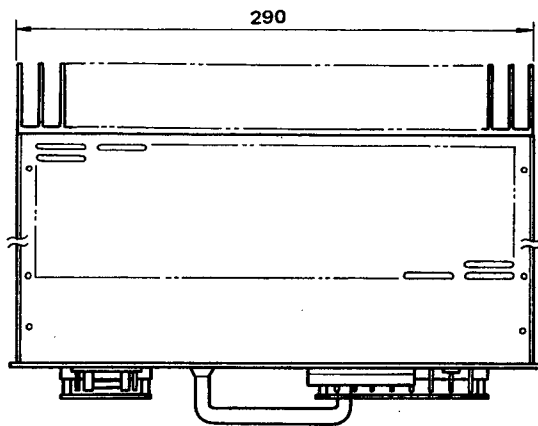
MODEL AND SUFFIX CODES.

Model	Suffix Codes	Description
SDND	Power Supply Unit
	-0	Always 0
Power Supply	3	160 to 250 V AC, 47 to 63 Hz
	5	80 to 138 V AC, 47 to 63 Hz
	0 ...	Always 0
Style Code	*C	Style C

TERMINAL CONNECTIONS.

Terminal Designation	Description
A	+ ———> DC output
B	- ———> DC output
J	NO ———> Alarm output 1
K	COM ———> Alarm output 1
M	NC ———> Alarm output 1
L1	———> AC power supply
L2	———> AC power supply
\equiv	Ground

EXTERNAL DIMENSIONS.



===== ORDERING INSTRUCTIONS =====

When ordering, specify the model and suffix codes.